providing communication between the telemetry module and a monitoring station.

15. The method of claim **14**, wherein the wherein the self-locating device is a global positioning system.

16. The method of claim **14**, wherein the remote controller modifies operation of the generation device based on the location of the generation device.

17. A monitoring system for distributed utilities, the monitoring system comprising:

a generation device for converting an available resource to a desired utility, the generation device characterized by a plurality of operating parameters;

an input sensor for measuring the available resource entering the generation device;

an output sensor for measuring the amount of the desired utility leaving the generation device;

a local controller for concatenating the measured available resource entering and the desired utility leaving the generation device on the basis of the input and output sensors;

a remote controller for modifying operation of the generation device; and

a self-locating device having an output to the remote controller indicative of the location of the generation device, wherein the remote controller modifies operation of the generation device based on the location of the generation device.

18. The monitoring system of claim **17**, further comprising at least one sensor for measuring at least one parameter of the plurality of operating parameters of the generation device.

19. The monitoring system of claim **17**, further comprising a telemetry module for communicating measured input and output parameters to a remote site.

20. The monitoring system of claim **17**, further comprising a remote actuator for varying operating parameters of the generation device based on remotely received instructions.

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